

## Freeform Search

<b>Database:</b>	US Pre-Grant Publication Full-Text Database				
	<b>US Patents Full-Text Database</b>				
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	EPO Abstracts Database				
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	IBM Technical Disclosure Bulletins				
<b>Term:</b>	L4 NOT L5				
<b>Display:</b>	20	<b>Documents in Display Format:</b>	CIT	<b>Starting with Number</b>	1
<b>Generate:</b> <input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image					

Search

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Interrupt

### Search History

**DATE:** Monday, January 29, 2007    [Purge Queries](#)    [Printable Copy](#)    [Create Case](#)

#### Set Name Query

side by side

#### Hit Count Set Name

result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L6    L4 NOT L5

18    L6

DB=PGPB,USPT; PLUR=YES; OP=OR

L5    L4 and (414/489 or 424/43 or 514/3).ccls.

12    L5

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L4    insulin same (diketopiperazine or (diketo near8 piperazine))

30    L4

DB=PGPB,USPT; PLUR=YES; OP=OR

L3    (Joseph near Sulner) AND @pd>20060510

1    L3

L2    (Rodney near Woods) AND @pd>20060510

1    L2

L1    (solomon near Steiner) AND @pd>20060510

3    L1

END OF SEARCH HISTORY



## Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.  
Additionally, enter the **first few letters** of the Inventor's First name.

**Last Name****First Name**

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(FILE 'HOME' ENTERED AT 16:19:45 ON 29 JAN 2007)

FILE 'CAPLUS, MEDLINE, USPATFULL' ENTERED AT 16:30:44 ON 29 JAN 2007

L1	43 S INSULIN (P) (DIKETOPIPERAZINE OR (DIKETO (8A) PIPERAZINE))
L2	11 S L1 (P) DIABETES
L3	3 S L2 (P) (INHALA? OR RESPIRA?)
L4	2 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1  
TI Methods and compositions comprising insulin/diketopiperazine complex for minimizing accrual of inhalable insulin in the lungs  
AB The present invention relates to inhalable insulin compns. comprising insulin/diketopiperazine complex for rapidly clear from the lungs of patients. Specifically, the inhalable insulin composition is a dry powder and the insulin complexed with a diketopiperazine, such as fumaryl diketopiperazine. In another embodiment of the method of the present invention, a patient's lung function is not depressed on extended use of the inhalable insulin composition, wherein the patient's lung function is not impaired relative to the same patient not receiving an inhaled insulin composition

ACCESSION NUMBER: 2006:677707 CAPLUS  
DOCUMENT NUMBER: 145:130842  
TITLE: Methods and compositions comprising insulin/diketopiperazine complex for minimizing accrual of inhalable insulin in the lungs  
INVENTOR(S): Gelber, Cohava; Boss, Anders Hasager  
PATENT ASSIGNEE(S): Mannkind Corporation, USA  
SOURCE: U.S. Pat. Appl. Publ., 19 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006153778	A1	20060713	US 2006-330427	20060110
WO 2006086107	A2	20060817	WO 2006-US910	20060110
WO 2006086107	A3	20061123		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: US 2005-643054P P 20050110

L4 ANSWER 2 OF 2 USPATFULL on STN  
TI Diagnosis and monitoring of diseases  
AB The present invention relates to the diagnosis and monitoring of diseases and conditions by quantifying markers, including degradation products of disease-associated proteins, such as diketopiperazines composed of the two N-terminal amino acids or the two C-terminal amino acids of such proteins. The methods are useful for diagnosing or monitoring various diseases, including multiple sclerosis, Alzheimer's disease and ischemia. The invention further provides binding partners specific for the markers and compositions and kits for conducting the methods of the invention.

ACCESSION NUMBER: 2004:267838 USPATFULL  
TITLE: Diagnosis and monitoring of diseases  
INVENTOR(S): Bar-Or, David, Englewood, CO, UNITED STATES  
Bar-Or, Raphael, Denver, CO, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004209379	A1	20041021

APPLICATION INFO.: US 2003-679699 A1 20031002 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-415908P	20021002 (60)
	US 2003-489039P	20030721 (60)
	US 2003-503185P	20030915 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SHERIDAN ROSS PC, 1560 BROADWAY, SUITE 1200, DENVER, CO, 80202	
NUMBER OF CLAIMS:	46	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	1242	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		